Outdooree R8

A Digital Infrared 8MP

Scouting / Surveillance Camera

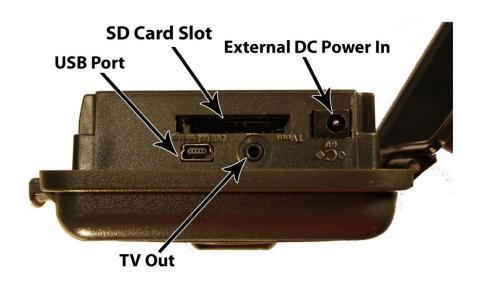# *User's Manual*

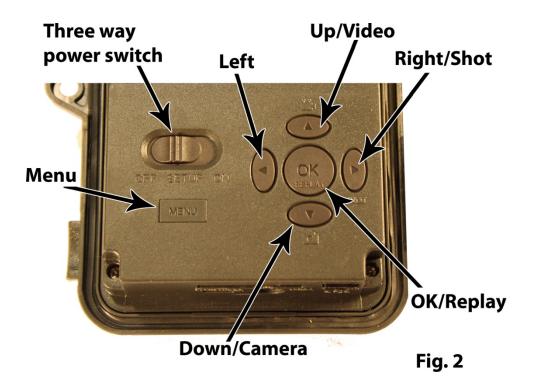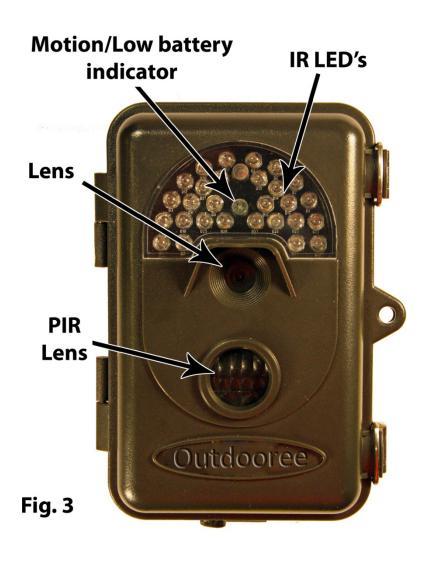# INDEX

Fig. 1

SD Card Slot

USB Port

External DC Power In

TV Out

Three way power switch

Left

Up/Video

Right/Shot

Menu

Down/Camera

OK/Replay

Fig. 2

Motion/Low battery indicator

IR LED's

Lens

PIR Lens

Fig. 3

Fig. 4

Locking tab in unlocked position

Lock

Outdooree

4 GB

high speed

www.outdooree.com

1. <u>Introduction</u>

The **Outdooree R8** is a digital scouting/surveillance camera which uses a highly sensitive Passive Infra-Red *(PIR)* motion sensor to detect heat and movement and then take high quality pictures *(up to 8MP still photos)*, or video clips.

The **Outdooree R8** consumes very little power *(less than 300µA)* in a standby *(surveillance)* state. This means it can deliver up to six months stand-by operation time when the device is powered by eight AA alkaline batteries. Once motion in the monitored area is detected, the digital camera unit will be triggered in approximately 1 second and then automatically take photos or videos according to previously programmed settings.

The **Outdooree R8** is equipped with built-in infrared LEDs for night time illumination, so that it delivers clear photos or videos *(in black & white)* even in the dark, and it can take color photos or videos under sufficient daylight. The **Outdooree R8** is designed for outdoor use and is completely weatherproof.

2. Parts and Controls Identification

a. Packing Contents

The following items are included with your new **Outdooree R8**: USB cable, TV cable, and attachment strap.

b. Controls

The **Outdooree R8** provides the following connections for external devices: USB port, SD card slot, TV Out, and external DC power in *(Fig. 1).*

A 3-way power switch is used to select the main operating modes: **OFF**, **SETUP**, and **ON** *(Fig. 2).* A control key interface with six keys is primarily used in **SETUP** mode to select operational functions and parameters. As shown in Fig. 2, these keys are: **UP**, **DOWN**, **LEFT**, **RIGHT**, **OK** and **MENU**. Four of the keys can also perform a second function (shortcut operations in **SETUP** mode) in addition to their

main function: The **DOWN** key can be used to set the camera to Photo mode (still camera icon), and the **UP** key can set the camera to Video mode (movie camera icon). The **RIGHT** key also serves as the manual shutter (**SHOT**) button of the camera and the **OK** key switches the camera to the Playback (**REPLAY**) mode. These secondary functions are indicated by icons or text above the key as shown in Fig. 2.

3. <u>INSTALLING THE BATTERIES and SD CARD</u>

Before you begin learning how to use your **Outdooree R8**, you will first need to install a set of batteries and insert an SD card. Although that may only take you a minute, there are some important notes about both batteries and SD cards you should be aware of, so please take the time to read the following directions and cautions:

a. Loading Batteries

After opening the two latches on the right side of the **Outdooree R8**, you will see a small cord with a loop; pull the cord to open the battery compartment. The **Outdooree R8** has eight battery slots. Starting at the top of the battery compartment, slots 1, 2, 3 and 4 form one group, while slots 5, 6, 7 and 8 form the other group, each providing 6 volts in parallel. For maximum battery life, you should install a full set of eight batteries. The **Outdooree R8** may also be operated by just four batteries installed in the top group only, starting at slot 1. Battery life will be shorter with 4 batteries, but the camera will operate normally. Whether you use 4 or 8, be sure to insert each battery with correct polarity *(negative or "flat" end against the long spring of each battery slot).*

Outdooree recommends using eight new lithium AA or alkaline AA batteries; NiMh Rechargeable batteries can also be used, but they might have a shorter life span due to their reduced efficiency over time and at low temperature.

b. Using an External Power Source
(optional, user provided)

Optionally, you can connect an external 6V DC power source to the "DC In" jack at the bottom of the **Outdooree R8**. It is recommended to use a power source with a current output greater than 1000mA. However, during bright daytime operation when no flash is required, the **Outdooree R8** can function with much less current *(>400mA).* Please use a compatible power source cable *(not provided)* to connect the external DC power source with the power input jack of the **Outdooree R8**, making sure that the polarity is correct. Note: The power connector is a 4.0x1.7mm coaxial DC power plug with positive "tip" *(inside pin)* polarity *(Radio Shack P/N 274-1532 or equivalent).*

If both an external power source is connected and batteries are installed, the **Outdooree R8** will be powered by the external power source. When the batteries become weak, the low-battery indicator LED will glow blue, indicating the batteries should be changed.

c. Inserting the SD Card

Warning!

Be sure the cameras power switch is turned off before installing batteries or SD card!!!!!!!

The **Outdooree R8** has 32MB of internal memory, which can hold only about 25 photos _(@ 5MP resolution)_. This is handy for testing and getting familiar with the camera, but you will no doubt want to leave the camera unattended for longer than a day, so using an SD card is recommended. Insert the SD card _(with the camera's power switch in the **OFF** position)_ before beginning to operate the camera. Do not insert or remove the SD card when the power switch is in the **ON** position.

The **Outdooree R8** uses a standard SD _(Secure Digital)_ memory card to save photos _(in .jpg format)_ and videos _(in .asf or .Avi format)_. SD and SDHC _(High Capacity)_ cards up to a maximum 32GB capacity are supported. **Outdooree** recommends using **Outdooree** or Sandisk brand SD cards. Before inserting the SD card into the card slot after opening the

camera's front cover, please make sure that the write-protect switch on the card is in the up/off position *(when looking at the front of the card the switch is on the left side of the card) (fig. 4).* The following describes how to insert and remove the SD card:

• Insert the SD card into the card slot with its label side upwards *(see above).* A "click" sound indicates that the card is installed successfully. If the wrong side of the card is facing up, you will not be able to insert it without force-there is only one correct way to insert cards. If the SD card is not installed correctly, the device will not display an SD card icon on the LCD in **SETUP** mode *(the SD card icon displayed after switching to **SETUP** mode will have a "lock" symbol inside it if the card is locked)*. Formatting the SD card by using the **Outdooree R8** "Format" parameter before using it for the first time is recommended, especially when a card has been used in other devices *(see "4.6 Format SD Card" for details).*

• To take out the SD card, just gently push in the card *(do not try to pull it out without pushing*

in first). The card is released from the slot and ready to be removed when you hear the click.

4. <u>Using and Programming the Outdooree R8</u>

Once you've prepared your **Outdooree R8** by properly installing batteries and a SD card, you could simply take it outside, strap it to a tree, switch it on and leave. The camera will function in the factory default settings. However, we highly recommend that you first spend some additional time indoors with this manual and your camera until you know a bit more about what the 3-way switch and those control keys do. If nothing else, you'll probably want to at least set the date and time so the camera will imprint them on your photos as they are taken, learn how to set the camera to shoot video clips instead of still photos if you like, and read some tips about mounting it on a tree.

a. THE OFF, ON, AND SETUP MODES

The **Outdooree R8** has three basic operational modes:

- **OFF** mode: Power switch in the **OFF** position.
- **ON** mode: Power switch in the **ON** position *(LCD screen is off.)*
- **SETUP** mode: Power switch at **SETUP** position *(LCD screen is on).*

b. OFF mode

The **OFF** mode is the "safe" mode when any actions must be taken, e.g., replacing the SD card or batteries, or transporting the device. You will also use **OFF** mode if you connect the camera to a computer's USB port later.

c. ON mode

Anytime after the batteries and SD card have been inserted, you can switch on the camera. When the power switch is moved to the **ON** position, the camera will enter into the **ON** *(Live)* mode. The motion indicator LED *(Fig 3)* will blink red for about 10 seconds. This interval

allows time for you to close the **Outdooree R8's** front cover, lock it, and leave the monitored area. Once in the **ON** mode, no manual controls are needed or possible (*the control keys have no effect). The* **Outdooree R8** will take photos or videos automatically *(according to its current parameter settings)* when it is triggered by the PIR sensor's detection of activity in the area it covers.

d. SETUP mode

In the **SETUP** mode you can check and change the settings of the **Outdooree R8** with the help of its built-in LCD (*or a monitor connected to the TV out jack*). Moving the power switch to the **SETUP** position will turn on the LCD display, and you will see an information screen that shows how many images have been taken, the battery level, camera or video mode, etc. *NOTE: when entering SETUP mode, always move the power switch from OFF to SETUP mode. It is possible that the camera could lockup if it is switched from ON to SETUP mode. If this occurs, simply*

move the switch to OFF and then push it up to SETUP again.

4.1 Set Camera mode *(video or still images)*

a. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETU**" position.
b. Press the **MENU** button
c. "Mode" appears at the top of the screen. Use the **UP** or **DOWN** arrow to select either "Video" or "Camera" *(selection will be highlighted in blue).*
d. Press "**OK**" to save setting. Note that the blue checkmark will move to the selected setting.
e. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

4.2 Restore Factory Default settings

a. Restoring the factory default settings will remove any previous settings you have saved.

b. If you are already in the "**MENU**" skip to step "e"

c. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.

d. Press the **MENU** button

e. Press the **LEFT** arrow button until "Default" appears at the top of the screen.

f. Use the **UP** arrow to choose "Execute"

g. Press "**OK**" to restore default settings

h. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

4.3 Set Clock

a. If you are already in the "**MENU**" skip to step "d"

b. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.

c. Press the **MENU** button

d. Press the **LEFT** arrow button until "Set Clock" appears at the top of the screen.

e. Press "**OK**"

f. Use "**UP**" and "**DOWN**" buttons to change the current hour

g. Use "**RIGHT**" arrow to move highlighted box to minutes

h. Use "**UP**" and "**DOWN**" buttons to change the current minute

i. Use "**RIGHT**" arrow to move highlighted box to year

j. Use "**UP**" and "**DOWN**" buttons to change the current year

k. Use "**RIGHT**" arrow to move highlighted box to month

l. Use "**UP**" and "**DOWN**" buttons to change the current month

m. Use "**RIGHT**" arrow to move highlighted box to day

n. Use "**UP**" and "**DOWN**" buttons to change the current day

o. Press "**OK**" to save settings

p. Date settings will disappear and the "Set Clock" screen will reappear, the date and time is now saved.

q. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

4.4 Set Time Stamp

a. If you are already in the "**MENU**" skip to step "d"

b. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.

c. Press the **MENU** button

d. Press the **LEFT** arrow button until "Time Stamp" appears at the top of the screen.

e. Use "**UP**" and "**DOWN**" arrows to choose On or Off. "On" will place the date and time on the lower portion of all pictures and the first frame of videos

f. Press "**OK**" to save setting.

g. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

4.5 Set TV output

a. If you are already in the "**MENU**" skip to step "d"

b. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.

c. Press the **MENU** button

d. Press the **LEFT** arrow button until "TV Output" appears at the top of the screen.

e. In the US, Canada, Mexico, Asia and South America, TV's are formatted to NTSC, European countries use PAL. Use

the "**UP**" and "**DOWN**" arrows to select the appropriate TV Output.

f.   Press "**OK**" to save setting.

g.   If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

4.6   Format SD card

Note: *Formatting the SD card will erase all data stored on the card. Do not format if there is important data stored, it will be unrecoverable.*

Note: *Formatting is highly recommended if you are using an SD card that has been used in other electronic equipment such as point and shoot style cameras.*

a.   If you are already in the "**MENU**" skip to step "d"

b. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.
c. Press the **MENU** button
d. Press the **LEFT** arrow button until "Format" appears at the top of the screen.
e. Press "**OK**"
f. Use the "**UP**" and "**DOWN**" arrows to select "Yes".
g. Press "**OK**", a green screen will appear that says "Format Success" and then the screen will return to the format screen.
h. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

4.7 Set sensitivity level

Note: The sensitivity level dictates how easily the camera triggers. It is recommended to use "Low" sensitivity during winter months to avoid false triggers. The

higher the sensitivity the easier the camera triggers.

a. If you are already in the "**MENU**" skip to step "d"
b. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.
c. Press the **MENU** button
d. Press the **LEFT** arrow button until "Sensor Level" appears at the top of the screen.
e. Use the "**UP**" and "**DOWN**" arrows to select "Low", "Normal" or "High".
f. Press "**OK**" to save setting. Note that the blue checkmark will move to the selected setting
g. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

4.8   Set Interval

Note: The interval setting controls how often the camera can trigger, i.e.: a 1 minute interval will cause the camera to only trigger every 1 minute even if there are animals present. This allows the user to eliminate unnecessary pictures.

a. If you are already in the "**MENU**" skip to step "d"
b. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.
c. Press the **MENU** button
d. Press the **LEFT** arrow button until "Interval" appears at the top of the screen.
e. Use the "**UP**" and "**DOWN**" arrows to choose the interval you want. There are 120 interval settings ranging from 1 second to 60 minutes.
f. Press "**OK**" to save setting.
g. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off

until you are ready to put the camera into action.

4.9 Set video length

a. If you are already in the "**MENU**" skip to step "d"
b. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.
c. Press the **MENU** button
d. Press the **LEFT** arrow button until "video length" appears at the top of the screen.
e. Use the "**UP**" and "**DOWN**" arrows to choose the video length you want. There are 56 video length settings ranging from 5 seconds to 60 seconds.
f. Press "**OK**" to save setting.
g. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

4.10 Set video resolution

a. If you are already in the "**MENU**" skip to step "d"

b. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.

c. Press the **MENU** button

d. Press the **LEFT** arrow button until "video size" appears at the top of the screen.

e. Use the "**UP**" and "**DOWN**" arrows to choose the video size you want. 320x240 is low resolution, 740x480 is high resolution.

f. Press "**OK**" to save setting.

g. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

4.11 Set burst mode/capture number

a. If you are already in the "**MENU**" skip to step "d"
b. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.
c. Press the **MENU** button
d. Press the **LEFT** arrow button until "capture number" appears at the top of the screen.
e. Use the "**UP**" and "**DOWN**" arrows to choose the number of images *(1, 2, or 3)* you want taken during each activation.
f. Press "**OK**" to save setting.
g. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

4.12 Set Image resolution

a. If you are already in the "**MENU**" skip to step "d"
b. With batteries and SD card installed and the camera in the **OFF** position; slide the power switch to the "**SETUP**" position.
c. Press the **MENU** button
d. Press the **LEFT** arrow button until "Image size" appears at the top of the screen.
e. Use the "**UP**" and "**DOWN**" arrows to choose the image size you want. 3M is low resolution, 8M is high resolution.
f. Press "**OK**" to save setting.
g. If you need to make additional changes, proceed to those steps now. If you are done making the changes you want, press "**MENU**" and turn the camera off until you are ready to put the camera into action.

5. <u>Mounting and positioning</u>

After you've programmed the camera's setting to your personal preferences you're ready to take it outside and slide

the power switch to "**ON**". When setting up the **Outdooree R8** for scouting game or other outdoor applications, you must be sure to mount it in place correctly and securely. We recommend mounting the **Outdooree R8** on a sturdy tree with a diameter of about 6-12 in. To get the optimal picture quality, the tree should be about 10-20 feet away from the place to be monitored, with the camera placed at a height of 2-5 ft. Keep in mind that you will get the best results at night when the subject is within the ideal flash range, no farther than 45' and no closer than 6' from the camera.

There are two ways to mount the **Outdooree R8**: using the provided adjustable web belt, or the tripod socket.

6.   Sensing Angle and Distance Test

To test whether the **Outdooree R8** can effectively monitor the area you choose, this test is recommended to check the sensing

angle and monitoring distance of the **Outdooree R8**. To perform the test:

- Switch the **Outdooree R8** to the **SETUP** mode.
- Make movements in front of the camera at several positions within the area where you expect the game or subjects to be. Try different distances and angles from the camera.
- If the motion indicator LED light blinks, it indicates that position can be sensed. If it does not blink, that position is outside of the sensing area.

The results of your testing will help you find the best placement when mounting and aiming the **Outdooree R8**. The height away from the ground for placing the device should vary with the animal size appropriately. In general, 3 to 5 feet is preferred.

You can avoid potential false triggers due to temperature and motion disturbances in front of the camera by not aiming it at a heat source or nearby tree branches or brush *(especially on windy days).*

7. Switching ON the Camera

Once you switch to the **ON** mode, the motion indicator LED *(red) (Fig 3)* will blink for about 10 seconds. This gives you time to close and lock the front cover of the **Outdooree R8** and then walk away. During this time, the motion indicator LED will blink red continuously. After it stops blinking, the PIR is active, and any motion that is detected by it will trigger the capture of photos or videos <u>as programmed in the **SETUP** Menu.</u>

8. PLAYING BACK/DELETING the PHOTOS/VIDEOS

After you have setup, mounted and activated your **Outdooree R8,** you will of course be eager to return later and review the images it has captured for you. There are several different ways this can be done.

a. Reviewing Images on the Outdooree R8 LCD (Built in Color viewer model)

-      Put the power switch in **SETUP** mode *(switch to OFF first).*

-      Push the **OK** *(REPLAY)* key to enter image review mode.

-      Use the **UP**/**DOWN** keys to scroll through your photos or videos. The right corner of the display will indicate "JPG" for still photos, and a film icon for video files. Press the **RIGHT** *(SHOT)* key to review a video.

-      Push **MENU** to delete an image. Image delete mode works as described below. To exit image review mode, press the **OK** key

b. <u>Reviewing Images on an External Video Monitor</u>

A TV monitor can also be used to play back pictures *(or videos)* from the device. Connect a TV monitor or a viewing device *(such as a digital picture frame)* that has a standard composite video input *(RCA jack)* to the **Outdooree R8**'s "TV Out" mini jack using the supplied cable. Then:

- Put the power switch in **SETUP** mode *(switch to **OFF** first).*

- Press the **OK** key. The most recently captured image will be shown on the video monitor. For video clips, press the **SHOT** *(**RIGHT**)* key to start playing, press again to stop.

- Press the **UP** key for the previous photo or video and the **DOWN** key for the next one. When viewing images, the total number of all images in the SD card and the index of the displaying image are shown in the center of LCD and at the bottom of the video monitor respectively.

 -Press the **OK** key to return to live preview state *(**SETUP** mode)* when playback is finished.

c. Deleting Photos or Videos

If you see a photo or video during playback on the LCD or video monitor that you want to delete, it can be done easily without leaving **SETUP** mode:

-Press the **MENU** key. You will see the first "Delete" screen, which lets you selects the option to delete only the currently displayed photo/ video, or all photos/videos *(see below).*

-Highlight the "Delete Current" or "Delete All" option, then press **OK.**

-Next, select "Yes" and press **OK** to erase only the last displayed photo or video *(if you selected "Delete Current")*, or every photo and video file on the card *(if you selected "Delete All")*-or select "No" and press **OK** to cancel the operation without deleting any files.

***NOTE:** after deleting a picture or a video file, the deleted files can't be restored! It is also possible to delete all files from the card by using the Format parameter (See 4.6 Format SD Card)*

d. <u>Reviewing Images Directly From the SD Card</u>

This is the most popular method of viewing images. Since un-mounting the camera and taking it to your computer isn't very

convenient, you may find it easier to just take the card out. By removing the SD card *(swapping it for a new empty card if you like)* and taking it to your home or campsite to view the images by using an SD card "reader" *(user supplied)* connected to your computer *(some computers and TVs have a built in SD card slot)*, you can leave the camera in place ready to capture more images. Once connected, the card reader works the same way as described below- please read that section if you have any problem finding your files.

e. Reviewing Images by Connecting the Camera to a Computer

You can always un-mount the entire camera from the tree and connect its USB port to a computer. It will be recognized as a "removable disk", without the need to install any drivers or software. When using a PC *(or Mac*)* to view photos *(or video clips*)*, first connect the device to the computer with the

supplied USB cable. Then use commercial software with an image browser feature, or an image browser included with the PC's operating system to view images saved on the SD card in the folder \DCIM\100EK113. Each new image or video will be numbered incrementally in order of the time it was captured. For example, you will see file names such as "PICT0001 .JPG" or "PICT0001 .ASF or .Avi". Through the file format suffix you can distinguish whether the file is a still photo *(with suffix .jpg)* or a video *(with suffix .asf or .avi).*

* Video files may require additional software for viewing on a Mac.

The **Outdooree R8** supports 3 kinds of file system formats, FAT12, FAT16, and FAT32. The default value is FAT16 to save photos and videos. Here are some related notes:

• You don't need to be concerned about the file system format of the **Outdooree R8** unless your equipment has problems reading the SD card. If this happens, please format

the SD card with the **Outdooree R8** or in your computer first and then insert the card into your **Outdooree R8** and try again.

• The default file system format of the **Outdooree R8** is FAT16, which most computers can read. If you format an SD card for the **Outdooree R8** in your computer, you should choose the file system format FAT16. Normally FAT16 is recommended unless you have another image viewer that uses FAT12 or FAT32 format.

f. <u>DOWNLOADING the PHOTOS and VIDEOS</u>

To download your photos/videos to a PC or Mac*, first make sure the **Outdooree R8** power switch is in the **OFF** position. Connect the supplied cable to the camera's USB port, then directly to a main USB port on your computer- do not use front panel/keyboard USB ports or unpowered "hubs".

The **Outdooree R8** will be recognized as a standard "USB Mass Storage" device (this may

take several seconds the first time you connect it). If you would rather leave your camera in the woods and just pull its SD card out, an SD card reader works the same way as described in this section once the card is inserted and the reader is connected to your computer.

With Windows XP or later, you can then simply use the options in the pop-up window to copy, view, or print your photos *(right).*

On all Windows OS, the **Outdooree R8** will also be listed as a "Removable Disk" if you open the "My Computer" window *(on Macs, an icon will appear on your desktop)*. The **Outdooree R8** photo files are named "PICT0001.JPG" etc, and are located in the "DCIM\100EK113" folder on this "Removable Disk". Video file names will end with ".ASF" or ".AVI". You may copy the photos/videos to your hard drive as you would any file-just copy/paste or drag the file names or icons to your drive or desktop.

After the photos are copied to your hard drive, you can disconnect the **Outdooree R8**. *(On Mac computers, drag the "disk" that appeared*

on your desktop when the camera was connected into your Trash to "eject" it before disconnecting.) The .jpg standard files from the **Outdooree R8** may be viewed and edited with any photo software you choose to use. The video files may be viewed with Windows Media Player *(version 7 or later)* as well as other video playback programs that may have been supplied with your computer, or are available online.

* The video files may require additional software for viewing on a Mac.

9.   Trouble shooting/FAQ

Battery life is shorter than expected

1. Battery life will vary slightly with operating temperature and the number of images taken over time. Typically, the **Outdooree R8** will be able to capture several thousand images before the batteries die.

2. Check to make sure you has used new alkaline or lithium batteries. We recommend

using 8 Lithium AA batteries in all **Outdooree R8** cameras to obtain maximum battery life.

3. Make sure that the power switch was turned to the **ON** position and that the camera was not left in **SETUP** mode while in the field.

4. Make sure that you are using a good quality name brand SD card in your camera. We recommend **Outdooree** or Sandisk brand SD Cards. Our experience indicates that poor quality SD cards can sometimes reduce your **Outdooree R8's** battery life.

Camera stops taking images or won't take images

1. Please make sure that the SD card is not full. If the card is full, the camera will stop taking images.

2. Check the batteries to make sure that they are new alkaline or lithium AA batteries. See note above about short battery life.

3.   Make sure that the camera power switch is in the **ON** position and not in the **OFF** or **SETUP** modes.

4. Make sure that you are using a good quality SD card in your camera. We recommend **Outdooree** or Sandisk brand SD Cards.

5.   If the SD card has its write protect switch in the lock position, the camera will not take images.

6. If you have used an SD card in another device before inserting it in your **Outdooree R8**, you should try formatting the card using the "Format" parameter in **SETUP** mode *(make sure you have backed up any important files first, as formatting will erase all previous files)* *(See 4.6 Format SD Card)*. In some cases, other devices may change the formatting of the SD card so that it will not work properly with the **Outdooree R8**.

Camera won't power up

1. Make sure that you have installed at least 4 batteries *(the required minimum #)* in the battery compartment, starting at the top, filling battery spaces 1-4 with no "gaps".

We recommend using 8 new alkaline or lithium AA batteries in all **Outdooree R8** cameras.

2. Make sure that the batteries are installed correctly, observing proper polarity. Always place the negative *(flat)* end of each battery in contact with the long spring side of its slot inside the camera.

3. After moving the switch from "**OFF**" to "**SETUP**" or "**ON**", make sure that the switch is correctly in position to ensure the proper mode (avoid positions "between" two modes).

4. Do not move the switch directly from "**ON**" to "**SETUP**"-always move the switch all the way down to "**OFF**" first, then back up to "**SETUP**".

Still Photo and/or Video Quality Problems

a. Night photos or videos appear too dark

1. Check the battery indicator icon to see if battery power is full. The flash will stop operating near the end of the battery life.

2. You will get the best results when the subject is within the ideal flash range, no farther than 45' (14m) from the camera. Subjects may appear too dark at greater distances.

3. Please note that when the Capture Number parameter is set higher than "1 Photo", or with very short Interval settings, some images may appear darker than others due to the quick response and rapid retriggering of the camera, allowing less time for the flash to fully recharge before firing again.

b. Daytime photos or videos appear too dark

1. Make sure that the camera is not aimed at the sun or other light sources during the day, as this may cause the auto exposure to produce darker results.

c. Night photos or videos appear too bright

1. You will get the best results when the subject is within the ideal flash range, no closer than 6' (3m) from the camera. Subjects may appear too light at closer distances.

d. Daytime photos or videos appear too bright

1. Make sure that the camera is not aimed at the sun or other light sources during the day.

Photos with streaked subject

1. In some cases with low lighting conditions and fast moving subjects, the 5MP or 8MP resolution settings may not perform as well as the 3MP setting.

2. If you have multiple images where fast moving subjects produce streaks on the photo, try the 3MP setting instead.

Red, green or blue color cast

1. Under certain lighting conditions, the sensor can become confused resulting in poor color images.

2. If this is seen on a consistent basis, then the sensor may need servicing. Please contact **Outdooree** customer service.

Short video clips—not recording to the length set

1. Check to make sure that the SD card is not full.

2. Make sure that the camera has good batteries in it. Near the end of the battery life, the camera may choose to record shorter video clips to conserve power.

Date/Time Stamp not appearing on images

1. Make sure that the "Time Stamp" parameter is set to "On".

Photos Do Not Capture Subject of Interest

1. Check the "Sensor Level" (PIR sensitivity) parameter setting. For warm environmental conditions, set the Sensor Level to "High" and for cold weather use, set the sensor for "Low".

2. Try to set your camera up in an area where there is not a heat source in the camera's line of sight.

3. In some cases, setting the camera near water will make the camera take images with no subject in them. Try aiming the camera over ground.

4. Try to avoid setting the camera up on small trees that are prone to being moved by strong winds.

5. Remove any limbs which are right in front of the camera lens.

PIR Sensor LED Flashes/Doesn't Flash

1. When the camera is in the **SETUP** mode, a special LED on the front of the camera will flash when it senses motion. This is for setup purposes only and will help the user aim the camera.

2. During use, the LED will not flash when the camera takes an image. This is to help keep the camera hidden from game.

LCD Screen Issues

a. LCD screen powers on but no text is present.

1. After moving the switch from "**OFF**" to "**SETUP**" or "**ON**", make sure that the switch is correctly in position to ensure the proper mode (avoid positions "between" two modes).

2. Do not move the switch directly from "**ON**" to "**SETUP**"-always move the switch all the way down to "**OFF**" first, then back up to "**SETUP**".

b. LCD screen shows a faint black line after turning from "SETUP" to "ON".

1. The LCD will turn off when you slide the switch to the "**ON**" position. In some cases, this black line will appear and then fade in about 1 second. This is normal and the camera will function properly.

c. Screen comes on but then powers off

1. Make sure that you have installed the SD card correctly.

Camera won't retain settings

1. Make sure that you have been saving the changes to any parameter settings that you made while in **SETUP** mode, by pressing "**OK**" after changing the setting. If you don't save your new setting after changing it, the camera will continue to use the original default setting for that parameter.

10. Technical Specifications

Image Sensor	5 Megapixel Color CMOS
Maximum Pixel	Size **3264x2448** (8MP)
Lens	F=3.1; FOV=50°; Auto IR-Cut-Remove (at night)
IR-Flash Range	36'-45' (12m-15m)
Display Screen	Color Display: 32x42mm (2")
Memory Card	SD or SDHC Card, Maximum capacity 32GB
Internal RAM	32MB
Picture Size	8MP=3264x2448;5MP=2560x1920;3MP=2048x1536
Video Size	720x480/30fps, 640x480/30fps, 320x240/30fps
PIR sensitivity	PIR with 3 sensitivity levels: High/Normal/Low
Operation	Day/Night
Response Time	1s
Triggering Interval	1 sec. - 60min. programmable
Shooting Numbers	1~3 programmable
Video Length	5-60sec. programmable
Power Supply	8xAA recommended, 4xAA as emergency power
Stand-by Current	< 0.3mA (<7mAh/day)
Power Consumption	200mA (+530mA when IR-LED lighted)
User Interface	LCD display
Interface	TV out (NTSC/PAL);USB;SD card holder;6V DC external
Security	Strap; 1/4-20 attachment
Operating Temperature	-20 - 60°C (Storage temp: -30 - 70°C)
Operating Humidity	5% - 90%
Security authentication	FCC/CE/RoHs/WEEE

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OUTDOOREE R8   WARRANTY REGISTRATION FORM

1. customer name:

2. Address:

3. Province(State) and country:

4. Post code/ Zip code:

5. Daytime Phone:

6. Email:

7. Model: Outdooree R8

8. Serial Number:

9. Date purchased:

10. Purchased from:

Note: A.   Fill out the above form as your record. Then Email the form content (or this page photo) to: Info@Outdooree.com, or Register online at: **www.Outdooree.com**

B. OUTDOOREE provides a 1 year warranty with this product against manufacturing defects or workmanship, if your camera fails to function under normal use within the 1 year time frame, OUTDOOREE will repair or replace the camera with no charge. Improper use of the camera resulting in damage is not covered by this warranty. OUTDOOREE can service your camera after the 1 year warranty has expired, but the customer will be responsible for parts, labor and shipping costs.

Outdooree R8

- Extra small size 5 1/2 H x 3 1/2 W x 2 1/4 D

- 28 High intensity Infrared LED's with a 40' range

- Color LCD for viewing pictures/video

- PIR Motion Sensor with adjustable sensitivity

- Extra long battery Averaging 4000+ images

- Operates on 4 or 8 AA batteries(not included)

- Easy programming menu

- Accepts SD memory cards up to 32GB

- Records still pictures or video

- 1 sec to 60 min programmable delay

- 5 sec to 60 sec programmable video length

- Fast 1 second trigger speed

- 3MP, 5MP or 8MP picture size (adjustable)

- Operates from -4F to 140F (-20℃ to 60℃)

- Threaded insert for tripod mounting

- 1 year limited warranty

*for more info visit www.outdooree.com

Outdooree R8 camo

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Made in China
Fabriqué en Chine

Imported by/Importé par Outdooree Industrial LTD.
Toronto, Ontario M1W-3W2